

SNS COLLEGE OF TECHNOLOGY



(An Autonomous Institution)
Coimbatore-641035.

UNIT-V DATA ANALYSIS

Too-marks

1. Define Correlation

correlation is a statistical measures method or a technique that measures a quantitative relationship between different Variables, such as demand and proced

2. Explain the methods for calculating
the coefficient of correlation:
Ans (i) Scatter diagram
(ii) Karl person's coefficient
(iii) Rank correlation coefficient.

- 3) Types of correlations
 - (1) positive correlations when two variables charge in the same.
 - (ii) Negative Correlations 1- lesten troo Variables Change in opposite

velationship between two variables.

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Define coefficient of Correlations. Bolon Coefficients of correlation measures the natural relationship between 6000 Variables and it is denoted by & The correlation lies between -1 and 1.

5. What is a scatter diagram ? Mention 160 uses. or salidaging

Solo! A Scattor diagram also known as a Scatter plot to a type of graph Used to represent tro relationship between two variables. It helps to identify Patterne, trende or Correlations between the variablesthe dependency on an organization

6. Defino Regression. Regression is a statistical method

used to analyse and understand the relationship between two or more Variables. It helps to predict the Value of a dependent Variable based on The values of one of more endependents Vonables-



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F) Two uses of Regrección analyses.

to predict the value of a dependent voriable based on the Value of one or more independent Vonable

(h) Understanding Relationships!
It identifies and quantifies the

Strength and type of relationships

between Vonables

E) Defue covariance Matrices

It is a equare matrix that shows the covariance between different Voriables in a dataset. It is used to measure the relationship between Multiple Monables